

Amendments to the Specification

Applicants have amended the title, abstract, and description of the instant application as follows.

Amendment to the Title:

Please replace the Title with the following amended Title: --Luminaire Having Symmetrically Opposed Asymmetrical Reflectors--.

Amendment to the Abstract:

Please replace the abstract with the following amended abstract:

A luminaire comprising a housing, plurality of reflectors, lamps and electrically connected lamp sockets. The luminaire has at least two asymmetrical reflectors that are symmetrically opposed to each other and ideally has at least one symmetrical reflector located between the asymmetrical reflectors. ~~The luminaire results in a wider light distribution pattern and increased vertical illumination.~~

Amendments to the Description:

Applicants amend the description as follows:

Please add the following new paragraphs [0007.A] and [0007.B], just before existing paragraph [0007] starting at page 3, line 7 of the specification as filed.

[0007.A] The present invention provides a luminaire comprising: a housing; a plurality of reflectors disposed within said housing, wherein at least two of said reflectors are asymmetrical reflectors that are symmetrically opposed from each other; lamps disposed beneath each of said reflectors; and lamp sockets disposed within the reflector areas being sized to receive the base of said lamps, said lamp sockets being electrically connected to a power source and having an electrical contact and being electrically connectable to the bases of said lamps. Each of the asymmetrical reflectors has a generally parabolic shape.

[0007.B] Preferably, the portion of the asymmetrical reflector located centrally above the lamp has a peak shape, and the portion of the asymmetrical reflector located toward the

inner side of the peak shape portion is a narrower parabolic shape than the portion of the asymmetrical reflector located toward the outer side of the peak shape portion.

Please replace paragraph [0011] with the following amended paragraph:

[0011] Likewise, it would also be possible to use an arrangement where multiple lamps and symmetrical reflectors were used in the middle of the luminaire with the asymmetrical reflectors and lamp pairs being used toward the outside of the luminaire for ~~for~~ similar mixed light distribution patterns ~~patterns~~.

Please replace the header and paragraph [0020] with the following amended header and paragraph:

DETAILED DESCRIPTION OF THE ~~DRAWINGS~~ INVENTION

[0020] The luminaire 10, as depicted in FIGS. 1 and 5, comprises a housing 12 in which three reflectors 14 are disposed, including a center reflector 15 and side reflectors 16. While it would be possible to form the reflectors together in a single piece, it is more convenient to form them as separate reflectors. The reflectors 14 are then joined using braces 18 with any common bonding means such as adhesives, screws or locking tabs. The outer edges 19a and 19b of the side reflectors 16 are then joined to the edge of the housing 12. Within each reflector 14 volume is a lamp 20 having a base at each opposed end 21, and which is held in place at the ends 21 via a set of commonly used fluorescent tube sockets 22. The sockets are electrically connected to a power source, and have an electric contact for electrically connecting to the base of the lamps. Louvers 24, as depicted in FIG. 5, can also be attached to the luminaire 10 to provide additional direction for the light.

Please replace paragraph [0021] with the following amended paragraph:

[0021] FIG. 1 also depicts the placement of the lamps 20 within the reflectors 14. In the preferred embodiment, each of the reflectors 14 is about 7.3 inches wide and 3.8 inches high. The center of each lamp 20 is placed about 1.2 inches below the top of the reflectors 14, and in line with the bottom edge of the upper portion of the reflector. The center of the lamp 20 in the center reflector 15 is centered about 3.65 inches from each outer edge of the center

reflector 15 and the lamps 20 of the side reflectors 16 are biased toward the center of the luminaire 10, the center of such lamps 20 being about 3.1 inches from the inner edge of the side reflectors 16 and about 4.2 inches from the outer edges 19a and 19b of the side reflectors 16. Accordingly, the lamps 20 of the side reflectors 16 are each located about 6.8 inches apart from the lamp 20 of the center reflector 15. The lamps are preferably fluorescent tubes having a length substantially longer than the width of the reflectors.

Please replace paragraph [0022] with the following amended paragraph:

[0022] The upper portions of the reflectors are shown in more detail in FIGS. 2 and 3. The center reflector 15 is symmetrical and the two side reflectors 16 are asymmetrical. From the edge 30a to edge 30b the preferred reflector embodiment is about 3.75 inches wide. From the center point 31 of the center reflector 15, a V shaped peak 32 having an exterior angle of 110 degrees, and preferably not less than 110 degrees, with the point disposed downward extends in each direction for 0.372 inches. The subsequent segments 33a-33d are formed at interior angles 34a-34d with the preceding segments, starting from the end of the peak 32, of 145 degrees, 154 degrees, 164 degrees and 167 degrees, and have respective lengths of 0.357 inches, 0.444 inches, 0.516 inches and 0.232 inches. The reflector 15 terminates from the end of segment 33d at an exterior angle of 125 degree with a length of 0.312 inches, thereby forming edges 30a and 30b. The asymmetrical reflectors 16 have a length measured from the outer edge of edge 40a to edge 40b of about 4.5 inches. The side reflectors also each start with a V shaped peak 42 having an exterior angle of 110 degrees formed with two segments of 0.372 inches. From the end of the exterior peak segment 42a, subsequent reflector segments 43a-43g are formed at interior angles 44a-44g with the preceding segment, starting from the peak segment end 42a, of 145 degrees, 163 degrees, 174 degrees, 176 degrees, 176 degrees, 177 degrees and 176 degrees and having respective lengths of 0.58 inches, 0.379 inches, 0.379 inches, 0.379 inches, 0.379 inches, 0.379 inches and 0.191 inches. The reflector terminates from the end of segment 43g at an exterior angle of 147 degrees with a length of 0.312 inches, thereby forming the outer edges. The other symmetrical side of the reflector is formed with segments 45a-45c at interior angles 46a-46c to the preceding segments, starting from the interior end of the peak segment 42b, of 145 degrees, 128 degrees and 154 degrees, and having respective lengths of 0.372 inches, 0.444 inches and 0.452 inches. The reflector terminates from the end of segment 45c at an exterior angle of 103 degrees with a length of 0.312 inches, thereby forming the inner edges.

Please replace paragraph [0023] with the following amended paragraph:

[0023] The resulting luminaire 10 provides wide angle light distribution as shown in the candela distribution chart depicted in ~~FIG. 5~~ FIG. 4.